



SEQUENCE LISTING

RECEIVED  
MAY 21 2002  
TECH CENTER 1600/2900

<110> willson, Tracy  
Nicola, Nicos A.  
Hilton, Douglas J.  
Metcalf, Donald  
Zhang, Jian G.

<120> NOVEL HAEMOPOIETIN RECEPTOR AND GENETIC SEQUENCES  
ENCODING SAME

<130> Davies cc

<140> 09/051,843  
<141> 1998-06-29

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<170> PatentIn Ver. 2.0

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Met Ala Arg Pro Ala Leu Leu Gly Glu Leu Leu Val Leu Leu Leu Trp  
1 5 10 15

acc gcc acc gtg nnn ggc caa gtt gcc gcg gcc aca gaa gtt cag cca 156  
Thr Ala Thr Val Xaa Gly Gln Val Ala Ala Thr Glu Val Gln Pro  
20 25 30

cct gtg acg aat ttg agc gtc tct gtc gaa aat ctc tgc acg ata ata 204  
Pro Val Thr Asn Leu Ser Val Ser Val Glu Asn Leu Cys Thr Ile Ile  
35 40 45

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Trp Thr Trp Ser Pro Pro Glu Gly Ala Ser Pro Asn Cys Thr Leu Arg  
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Tyr Phe Ser His Phe Asp Asp Gln Gln Asp Lys Lys Ile Ala Pro Glu  
65 70 75 80

act cat cgt aaa gag gaa tta ccc ctg gat gag aaa atc tgt ctg cag 348  
Thr His Arg Lys Glu Glu Leu Pro Leu Asp Glu Lys Ile Cys Leu Gln  
85 90 95

gtg ggc tct cag tgt agt gcc aat gaa agt gag aag cct agc cct ttg 396  
Val Gly Ser Gln Cys Ser Ala Asn Glu Ser Glu Lys Pro Ser Pro Leu  
100 105 110

gtg aaa aag tgc atc tca ccc cct gaa ggt gat cct gag tcc gct gtg 444  
Val Lys Lys Cys Ile Ser Pro Pro Glu Gly Asp Pro Glu Ser Ala Val  
115 120 125

act gag ctc aag tgc att tgg cat aac ctg agc tat atg aag tgt tcc 492  
Thr Glu Leu Lys Cys Ile Trp His Asn Leu Ser Tyr Met Lys Cys Ser  
130 135 140

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Trp Leu Pro Gly Arg Asn Thr Ser Pro Asp Thr His Tyr Thr Leu Tyr  
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tat tgg tac agc agc ctg gag aaa agt cgt caa tgt gaa aac atc tat 588  
Tyr Trp Tyr Ser Ser Leu Glu Lys Ser Arg Gln Cys Glu Asn Ile Tyr  
165 170 175

aga gaa ggt caa cac att gct tgt tcc ttt aaa ttg act aaa gtg gaa 636  
Arg Glu Gly Gln His Ile Ala Cys Ser Phe Lys Leu Thr Lys Val Glu  
180 185 190

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Pro Xaa Ser Phe Glu His Gln Asn Val Gln Ile Met Val Lys Asp Asn  
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Ala Gly Lys Ile Arg Pro Ser Cys Lys Ile Val Ser Leu Thr Ser Tyr  
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Val Lys Pro Asp Pro Pro His Ile Lys His Leu Leu Lys Asn Gly  
225 230 235 240

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GI  
Cont

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			260					265					270				
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Ile	Leu	Glu	Val	Glu	Glu	Asp	Lys	Cys	Gln	Asn	Ser	Glu	Ser	Asp	Arg		
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Asn	Met	Glu	Gly	Thr	Ser	Cys	Phe	Gln	Leu	Pro	Gly	Val	Leu	Ala	Asp		
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Asp	Asp	Asn	Lys	Leu	Trp	Ser	Asp	Trp	Ser	Glu	Ala	Gln	Ser	Ile	Gly		
				325				330						335			
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Lys	Glu	Gln	Asn	Ser	Thr	Phe	Tyr	Thr	Thr	Met	Leu	Leu	Thr	Ile	Pro		
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Val	Phe	Val	Ala	Val	Ala	Val	Ile	Ile	Leu	Leu	Phe	Tyr	Leu	Lys	Arg		
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ctt	aag	atc	att	ata	ttt	cct	cca	att	cct	gat	cct	ggc	aag	att	ttt	1212	
Leu	Lys	Ile	Ile	Ile	Phe	Pro	Pro	Ile	Pro	Asp	Pro	Gly	Lys	Ile	Phe		
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aaa	gaa	atg	ttt	gga	gac	cag	aat	gat	gat	acc	ctg	cac	tgg	aag	aag	1260	
Lys	Glu	Met	Phe	Gly	Asp	Gln	Asn	Asp	Asp	Thr	Leu	His	Trp	Lys	Lys		
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Tyr	Asp	Ile	Tyr	Glu	Lys	Gln	Ser	Lys	Glu	Glu	Thr	Asp	Ser	Val	Val		
				405					410					415			
ctg	ata	gaa	aac	ctg	aag	aaa	gca	gct	cct	tgatggggag	aagtgatttc					1358	
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GI Cont

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Pro Val Thr<sub>35</sub> Asn Leu Ser Val Ser<sub>40</sub> Val Glu Asn Leu Cys<sub>45</sub> Thr Ile Ile  
Trp Thr<sub>50</sub> Trp Ser Pro Pro Glu<sub>55</sub> Gly Ala Ser Pro Asn<sub>60</sub> Cys Thr Leu Arg  
Tyr<sub>65</sub> Phe Ser His Phe Asp<sub>70</sub> Asp Gln Gln Asp Lys<sub>75</sub> Lys Ile Ala Pro Glu<sub>80</sub>  
Thr His Arg Lys Glu<sub>85</sub> Glu Leu Pro Leu Asp<sub>90</sub> Glu Lys Ile Cys Leu<sub>95</sub> Gln  
Val Gly Ser Glu<sub>100</sub> Cys Ser Ala Asn Glu<sub>105</sub> Ser Glu Lys Pro Ser<sub>110</sub> Pro Leu  
Val Lys Lys<sub>115</sub> Cys Ile Ser Pro Pro Glu Gly Asp Pro Glu<sub>125</sub> Ser Ala Val  
Thr Glu<sub>130</sub> Leu Lys Cys Ile Trp<sub>135</sub> His Asn Leu Ser Tyr<sub>140</sub> Met Lys Cys Ser  
Trp<sub>145</sub> Leu Pro Gly Arg Asn<sub>150</sub> Thr Ser Pro Asp Thr<sub>155</sub> His Tyr Thr Leu Tyr<sub>160</sub>  
Tyr Trp Tyr Ser Ser<sub>165</sub> Leu Glu Lys Ser Arg<sub>170</sub> Gln Cys Glu Asn Ile<sub>175</sub> Tyr  
Arg Glu Gly Gln<sub>180</sub> His Ile Ala Cys Ser<sub>185</sub> Phe Lys Leu Thr Lys<sub>190</sub> Val Glu  
Pro Xaa Ser<sub>195</sub> Phe Glu His Gln Asn<sub>200</sub> Val Gln Ile Met Val<sub>205</sub> Lys Asp Asn  
Ala Gly<sub>210</sub> Lys Ile Arg Pro Ser<sub>215</sub> Cys Lys Ile Val Ser<sub>220</sub> Leu Thr Ser Tyr  
Val<sub>225</sub> Lys Pro Asp Pro Pro<sub>230</sub> His Ile Lys His Leu<sub>235</sub> Leu Leu Lys Asn Gly<sub>240</sub>  
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Ile Leu Glu<sub>275</sub> Val Glu Glu Asp Lys<sub>280</sub> Cys Gln Asn Ser Glu<sub>285</sub> Ser Asp Arg  
Asn Met<sub>290</sub> Glu Gly Thr Ser Cys<sub>295</sub> Phe Gln Leu Pro Gly<sub>300</sub> Val Leu Ala Asp  
Ala Val Tyr Thr Val Arg<sub>310</sub> Val Arg Val Lys Thr<sub>315</sub> Asn Lys Leu Cys Phe<sub>320</sub>  
Asp Asp Asn Lys Leu<sub>325</sub> Trp Ser Asp Trp Ser<sub>330</sub> Glu Ala Gln Ser Ile<sub>335</sub> Gly

Gl  
cont

Lys Glu Gln Asn Ser Thr Phe Tyr Thr Thr Met Leu Leu Thr Ile Pro  
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 Val Phe Val Ala Val Ala Val Ile Ile Leu Leu Phe Tyr Leu Lys Arg  
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 Leu Lys Ile Ile Ile Phe Pro Pro Ile Pro Asp Pro Gly Lys Ile Phe  
 370 375 380  
 Lys Glu Met Phe Gly Asp Gln Asn Asp Asp Thr Leu His Trp Lys Lys  
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gcc ggc ggc ggg ggc ggc ggc ggc ggc gcg cct acg gaa act cag cca 156  
 Ala Gly Gly Gly Gly Gly Gly Gly Gly Ala Pro Thr Glu Thr Gln Pro  
 20 25 30

cct gtg aca aat ttg agt gtc tct gtt gaa aac ctc tgc aca gta ata 204  
 Pro Val Thr Asn Leu Ser Val Ser Val Glu Asn Leu Cys Thr Val Ile  
 35 40 45

tgg aca tgg aat cca ccc gag gga gcc agc tca aat tgt agt cta tgg 252  
 Trp Thr Trp Asn Pro Pro Glu Gly Ala Ser Ser Asn Cys Ser Leu Trp  
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 Tyr Phe Ser His Phe Gly Asp Lys Gln Asp Lys Lys Ile Ala Pro Glu  
 65 70 75 80

act cgt cgt tca ata gaa gta ccc ctg aat gag agg att tgt ctg caa 348  
 Thr Arg Arg Ser Ile Glu Val Pro Leu Asn Glu Arg Ile Cys Leu Gln  
 85 90 95

gtg ggg tcc cag tgt agc acc aat gag agt gag aag cct agc att ttg 396  
 Val Gly Ser Gln Cys Ser Thr Asn Glu Ser Glu Lys Pro Ser Ile Leu  
 100 105 110

gtt gaa aaa tgc atc tca ccc cca gaa ggt gat cct gag tct gct gtg 444  
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 115 120 125

act gag ctt caa tgc att tgg cac aac ctg agc tac atg aag tgt tct 492

G!  
 Ant

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gat	tcc	agt	ttt	gaa	caa	cac	agt	gtc	caa	ata	atg	gtc	aag	gat	aat	684	
Asp	Ser	Ser	Phe	Glu	Gln	His	Ser	Val	Gln	Ile	Met	Val	Lys	Asp	Asn		
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cta	ttt	tat	gaa	gta	gaa	gtc	aat	aac	agc	caa	act	gag	aca	cat	aat	876	
Leu	Phe	Tyr	Glu	Val	Glu	Val	Asn	Asn	Ser	Gln	Thr	Glu	Thr	His	Asn		
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Thr	Leu	Asn	Thr	Val	Arg	Ile	Arg	Val	Lys	Thr	Asn	Lys	Leu	Cys	Tyr	320	
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gag	gat	gac	aaa	ctc	tgg	agt	aat	tgg	agc	caa	gaa	atg	agt	ata	ggg	1068	
Glu	Asp	Asp	Lys	Leu	Trp	Ser	Asn	Trp	Ser	Gln	Glu	Met	Ser	Ile	Gly		
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Val	Ile	Val	Ala	Gly	Ala	Ile	Ile	Val	Leu	Leu	Leu	Tyr	Leu	Lys	Arg		
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ctc	aag	att	att	ata	ttc	cct	cca	att	cct	gat	cct	ggc	aag	att	ttt	1212	
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G!  
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 Tyr Asp Ile Tyr Glu Lys Gln Thr Lys Glu Thr Asp Ser Val Val 415  
 405 410 415  
 ctg ata gaa aac ctg aag aaa gcc tct cag tgatggagat aatttatttt 1358  
 Leu Ile Glu Asn Leu Lys Lys Ala Ser Gln 420 425  
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 Trp Thr Trp Asn Pro Pro Glu Gly Ala Ser Ser Asn Cys Ser Leu Trp  
 50 55 60  
 Tyr Phe Ser His Phe Gly Asp Lys Gln Asp Lys Lys Ile Ala Pro Glu  
 65 70 75 80  
 Thr Arg Arg Ser Ile Glu Val Pro Leu Asn Glu Arg Ile Cys Leu Gln  
 85 90 95  
 Val Gly Ser Gln Cys Ser Thr Asn Glu Ser Glu Lys Pro Ser Ile Leu  
 100 105 110  
 Val Glu Lys Cys Ile Ser Pro Pro Glu Gly Asp Pro Glu Ser Ala Val  
 115 120 125  
 Thr Glu Leu Gln Cys Ile Trp His Asn Leu Ser Tyr Met Lys Cys Ser  
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 Trp Leu Pro Gly Arg Asn Thr Ser Pro Asp Thr Asn Tyr Thr Leu Tyr  
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 Tyr Trp His Arg Ser Leu Glu Lys Ile His Gln Cys Glu Asn Ile Phe  
 165 170 175  
 Arg Glu Gly Gln Tyr Phe Gly Cys Ser Phe Asp Leu Thr Lys Val Lys  
 180 185 190  
 Asp Ser Ser Phe Glu Gln His Ser Val Gln Ile Met Val Lys Asp Asn  
 195 200 205  
 Ala Gly Lys Ile Lys Pro Ser Phe Asn Ile Val Pro Leu Thr Ser Arg  
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 Val Lys Pro Asp Pro Pro His Ile Lys Asn Leu Ser Phe His Asn Asp  
 225 230 235 240

G  
 Ant

Asp Leu Tyr Val Gln Trp Glu Asn Pro Gln Asn Phe Ile Ser Arg Cys  
 245 250 255  
 Leu Phe Tyr Glu Val Glu Val Asn Asn Ser Gln Thr Glu Thr His Asn  
 260 265 270  
 Val Phe Tyr Val Gln Glu Ala Lys Cys Glu Asn Pro Glu Phe Glu Arg  
 275 280 285  
 Asn Val Glu Asn Thr Ser Cys Phe Met Val Pro Gly Val Leu Pro Asp  
 290 295 300  
 Thr Leu Asn Thr Val Arg Ile Arg Val Lys Thr Asn Lys Leu Cys Tyr  
 305 310 315 320  
 Glu Asp Asp Lys Leu Trp Ser Asn Trp Ser Gln Glu Met Ser Ile Gly  
 325 330 335  
 Lys Lys Arg Asn Ser Thr Leu Tyr Ile Thr Met Leu Leu Ile Val Pro  
 340 345 350  
 Val Ile Val Ala Gly Ala Ile Ile Val Leu Leu Leu Tyr Leu Lys Arg  
 355 360 365  
 Leu Lys Ile Ile Ile Phe Pro Pro Ile Pro Asp Pro Gly Lys Ile Phe  
 370 375 380  
 Lys Glu Met Phe Gly Asp Gln Asn Asp Asp Thr Leu His Trp Lys Lys  
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20 25

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